

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/25/2021 10:52 AM
Cytometer Baseline: 12/15/2020 11:39 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 91417 **Expiration Date:** 03/31/2021
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124981	-1	2.74	125026	2.76
Blue	F	SSC	125000	124646	-1	3.75	125468	3.71
Blue	E	FITC	14203	13704	-4	3.06	299	15.39
Blue	D	PE	25703	25461	-1	2.73	552	11.00
Blue	B	PerCP-Cy5-5	42104	41334	-2	3.45	922	15.21
Blue	A	PE-Cy7	34646	34365	-1	4.74	491	29.82
Red	C	APC	49824	49266	-2	3.01	1501	11.71
Red	A	APC-Cy7	39773	38776	-3	2.98	723	11.78
Violet	B	V450	7447	7144	-5	4.22	412	12.79
Violet	A	V500	31193	29843	-5	4.04	683	10.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21550	3.08	556	0	N/A	N/A	Pass
Blue	F	SSC	55178	3.34	519	7	N/A	N/A	Pass
Blue	E	FITC	55	53.22	487	1	0.0395	90	Pass
Blue	D	PE	110	38.02	490	5	0.3243	217	Pass
Blue	B	PerCP-Cy5-5	178	36.48	581	4	0.0176	29	Pass
Blue	A	PE-Cy7	111	67.56	626	6	0.0218	15	Pass
Red	C	APC	352	24.21	572	5	0.0262	67	Pass
Red	A	APC-Cy7	202	25.44	548	4	0.0065	1313	Pass
Violet	B	V450	90	41.37	451	2	0.0438	1476	Pass
Violet	A	V500	120	29.65	468	1	0.0259	832	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.68	-31.47	1.05
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	18.91	15.99 - 23.99	N/A	N/A	29.88	30.12	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10102

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments